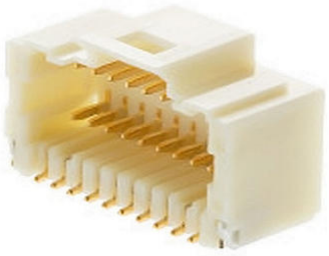
**Part Number :** 2083934013
**Product Description :** 1.00mm Pitch, Pico-Clasp Low-Halogen PCB Header, Dual Row, Right-Angle, Surface Mount, 0.76µm Gold Plated, Inner Positive Lock, 40 Circuits, Black
**Series Number :** 208393
**Status :** Active
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

2083934013_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

2083934013.dxf

### Specifications

5011890000-AS-001.pdf

2083939200-SPK-200.pdf

5011890000-PS-002.pdf

5011891000-PS-002.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 33 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

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Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 208393 |
| Description | 1.00mm Pitch, Pico-Clasp Low-Halogen PCB Header, Dual Row, Right-Angle, Surface Mount, 0.76µm Gold Plated, Inner Positive Lock, 40 Circuits, Black |
| Application | Wire-to-Board |
| Component Type | PCB Header |
| Product Name | Pico-Clasp |
| UPC | 193264194414 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 1.0A |
| Voltage - Maximum | 100V AC (RMS)/DC |

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 40 |
| Circuits (maximum) | 40 |

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| | |
|---|---|
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | No |
| Lock to Mating Part | Yes |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Gold |
| Material - Resin | Nylon |
| Net Weight | 1084.000/mg |
| Number of Rows | 2 |
| Orientation | Right Angle |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | No |
| PCB Retention | Yes |
| Pitch - Mating Interface | 1.00mm |
| Pitch - Termination Interface | 1.00mm |
| Plating min - Mating | 0.760µm |
| Plating min - Termination | 0.102µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Shrouded |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Surface Mount |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Pico-Clasp Low-Halogen Dual Row Receptacle Housings | 501189 |

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